

WHAT IS CLAIMED IS:

1. A method of sintering mineral ore wherein a sinter
mix comprising a shallow bed of fine particles comprising mineral bearing
5 ores and fuel is agglomerated by igniting the mixture so as to produce
porous coherent lumps followed by breaking the porous coherent lumps
into useful sizes and then cooling the resulting particles, the improvement
comprising adding to sinter mix from about 5 to 100 milliliters per ton of
the sinter mix of an aqueous solution of from about 5 to 35 parts per
10 million a transition metal sulfate.

2. The method of claim 1, wherein said transition metal
sulfate is selected from the group consisting of copper sulfate,
manganese sulfate, barium sulfate, iron sulfate.

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